Vokèra
heating for life

Zenith Solar pitched roof installation manual

On Tile and Evacuated Tube collectors

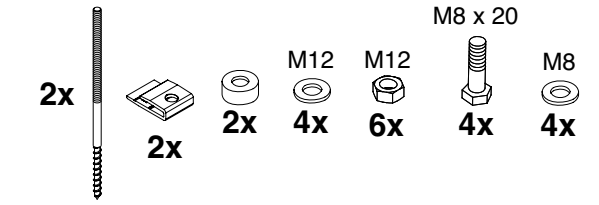
KIT PER FISSAGGIO PARALLELO AL TETTO
PARALLEL TO ROOF MOUNTING KIT

ITALIANO

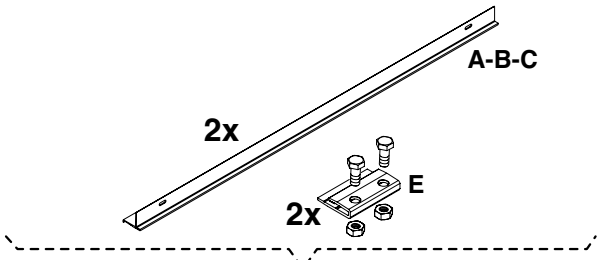
ENGLISH

Questa istruzione è parte integrante del libretto del collettore solare al quale si rimanda per le AVVERTENZE GENERALI e per le REGOLE FONDAMENTALI DI SICUREZZA.

This instruction manual is an integral part of the installation and maintenance manual for the solar collector. Refer to that manual for GENERAL SAFETY INFORMATION AND PRECAUTIONS.

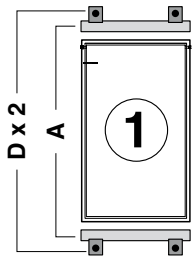


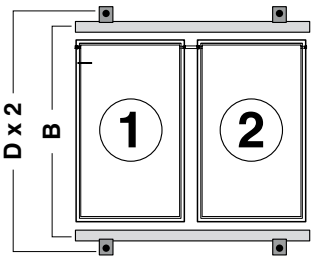
Sistema per il fissaggio al tetto
Roof fixing system
(D)

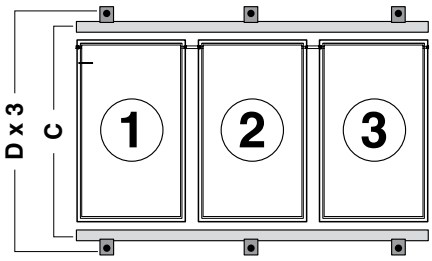


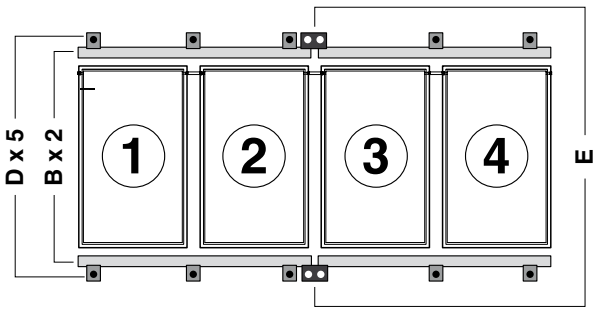
Forniti separatamente arrivano:
Barre di supporto (A-B-C)
Giunti di accoppiamento (E) (se necessari)
The following are provided separately:
Support rails (A-B-C)
Connecting joints (E) (if needed)

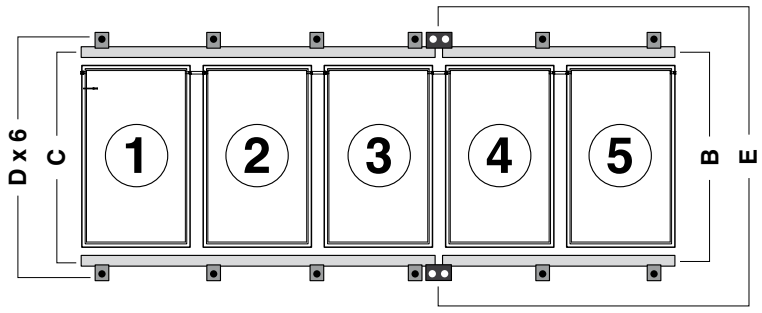
Configurazioni possibili (collettore verticale)
Possible configurations (VERTICALLY MOUNTED collectors)

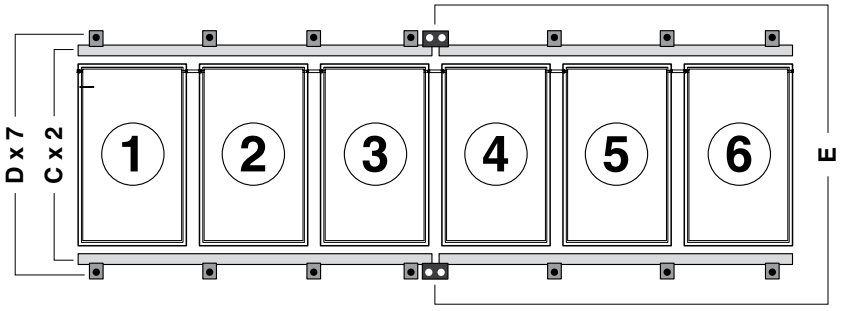












Nelle tabelle della pagina seguente sono espresse le quantità e le tipologie di componenti da ordinare a seconda della configurazione di installazione scelta.

The tables on the following pages show the quantity and type of components you need to order for your chosen installation configuration.

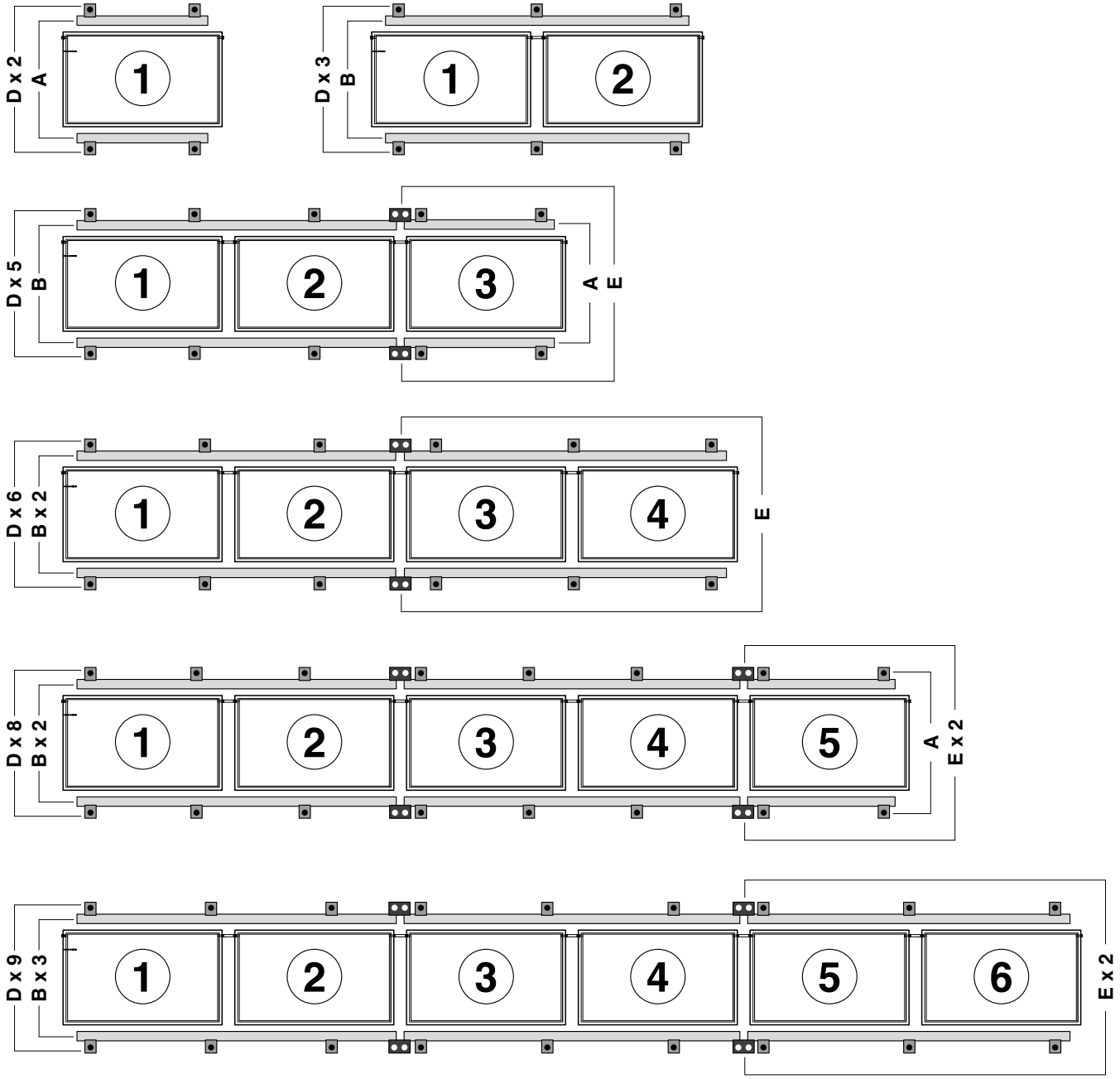
Collettore 2,5 mq VERTICALE con TELAIO
2.5 m² collector, VERTICALLY MOUNTED with FRAME

COMPONENTI *COMPONENTS*			Numero collettori / *Number of collectors*					
			1	2	3	4	5	6
Barre di supporto *Support rails*	A	20008315	1x					
	B	20008322		1x		2x	1x	
	C	20008759			1x		1x	2x
Sistema di fissaggio *Fixing systems*	D	20008292	2x	2x	3x	5x	6x	7x
Giunti di accoppiamento *Connecting joints*	E	20008757				1x	1x	1x

Collettore 2 mq VERTICALE con TELAIO
2 m² collector, VERTICALLY MOUNTED with FRAME

COMPONENTI *COMPONENTS*			Numero collettori / *Number of collectors*					
			1	2	3	4	5	6
Barre di supporto *Support rails*	A	20008280	1x					
	B	20008302		1x		2x	1x	
	C	20008758			1x		1x	2x
Sistema di fissaggio *Fixing systems*	D	20008292	2x	2x	3x	5x	6x	7x
Giunti di accoppiamento *Connecting joints*	E	20008757				1x	1x	1x

Configurazioni possibili (collettore orizzontale)
Possible configurations (HORIZONTALLY MOUNTED collectors)

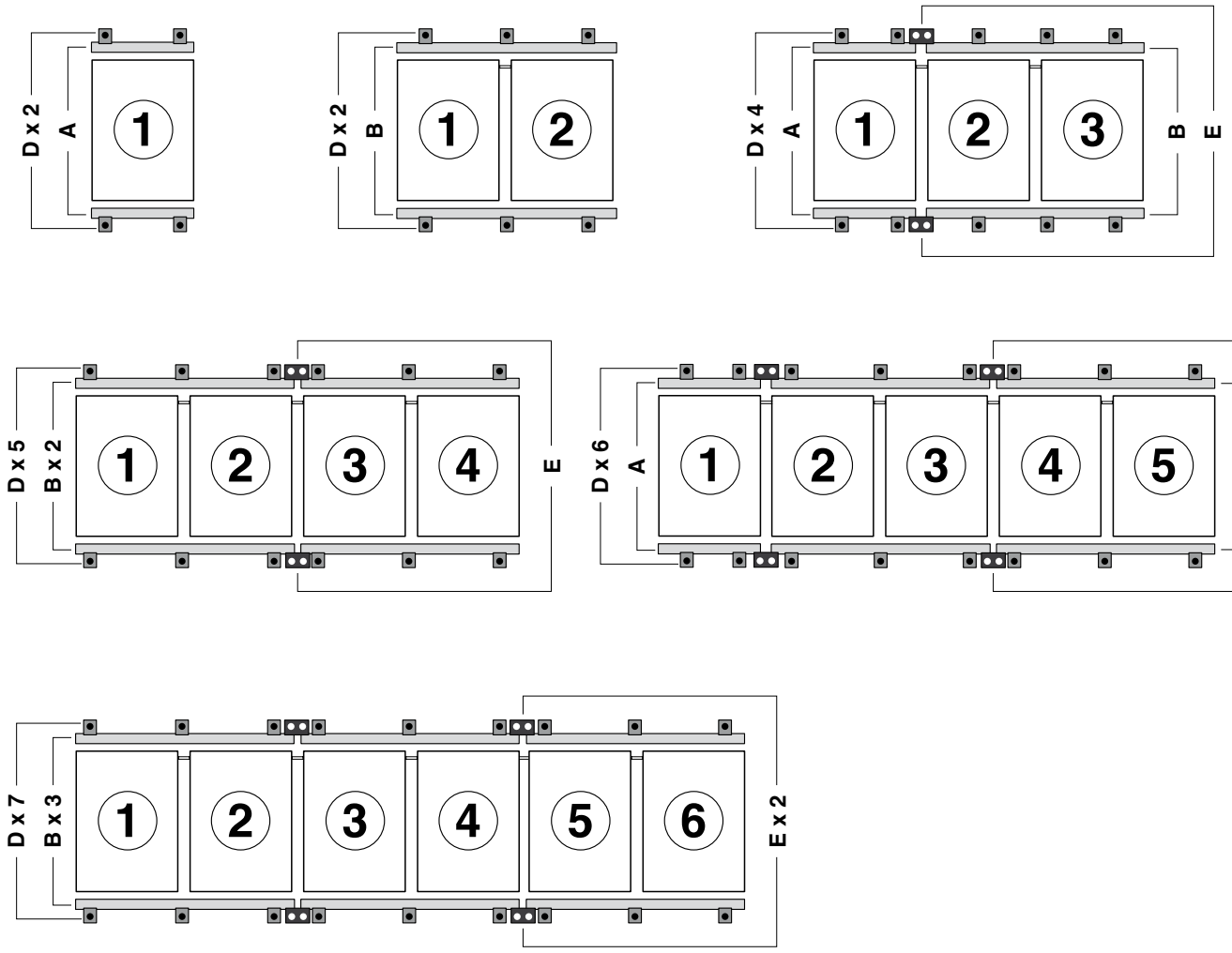


Nella tabella sono espresse le quantità e le tipologie di componenti da ordinare a seconda della configurazione di installazione scelta.
The table below shows the quantity and type of components you need to order for your chosen installation configuration.

Collettore 2,5 mq ORIZZONTALE con VASCA
2.5 m² collector, HORIZONTALLY MOUNTED with TANK

COMPONENTI *COMPONENTS*			**Numero collettori /** *Number of collectors*					
			1	**2**	**3**	**4**	**5**	**6**
Barre di supporto *Support rails*	**A**	**20015889**	1x		1x		1x	
	B	**20015890**		1x	1x	2x	2x	3x
Sistema di fissaggio *Fixing systems*	**D**	**20008292**	2x	3x	5x	6x	8x	9x
Giunti di accoppiamento *Connecting joints*	**E**	**20029277**			1x	1x	2x	2x

Configurazioni possibili (collettore sottovuoto 14 tubi)
Possible configurations (14 evacuated tubes collector)



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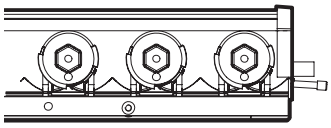
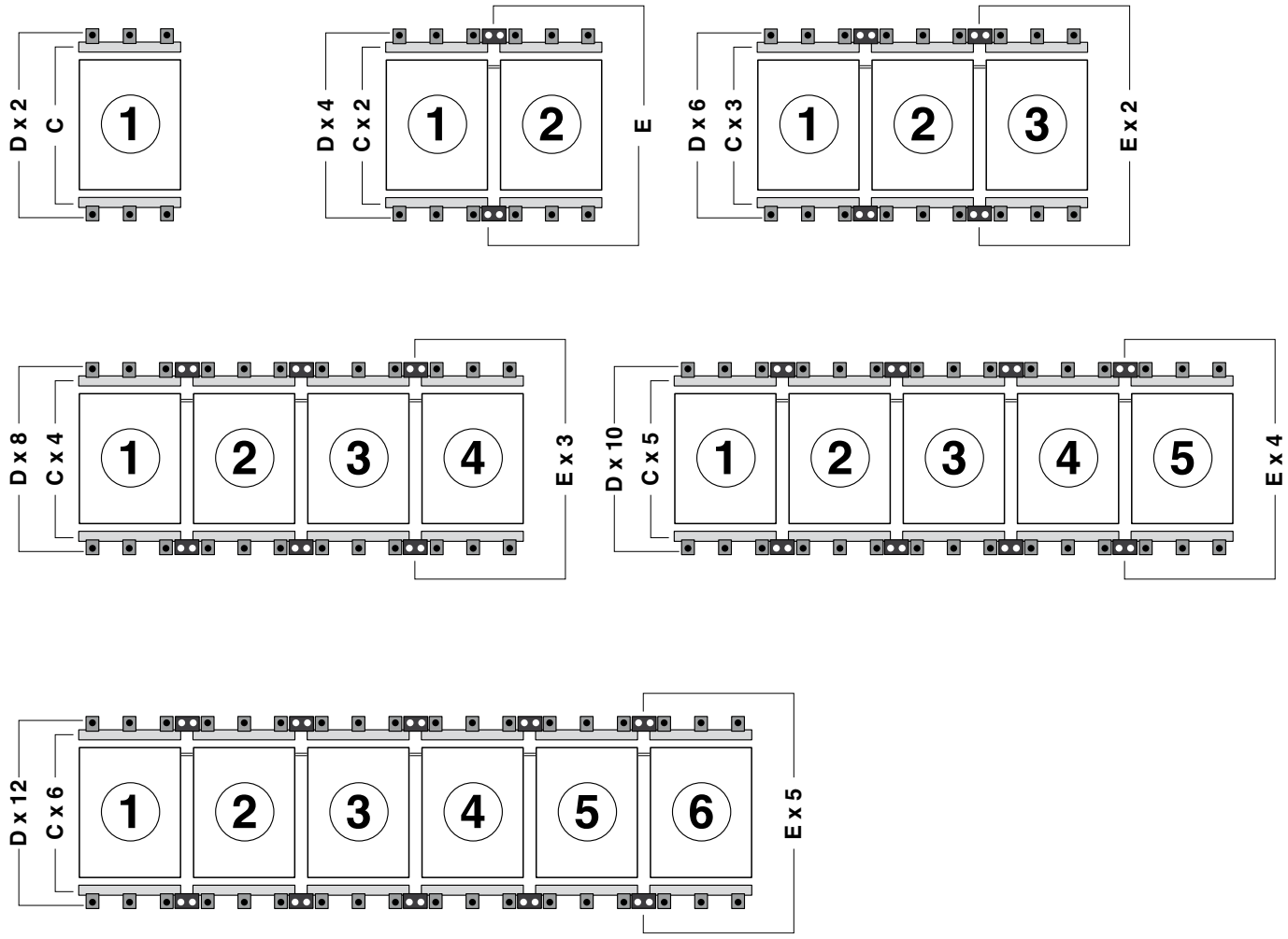


Collettore Sottovuoto 14 TUBI
14 evacuated tubes collector

COMPONENTI *COMPONENTS*			**Numero collettori /** *Number of collectors*					
			1	**2**	**3**	**4**	**5**	**6**
Barre di supporto *Support rails*	**A**	**20026381**	1x		1x		1x	
	B	**20026383**		1x	1x	2x	2x	3x
Sistema di fissaggio *Fixing systems*	**D**	**20008292**	2x	3x	5x	6x	8x	9x
Giunti di accoppiamento *Connecting joints*	**E**	**20008757**			1x	1x	2x	2x

Configurazioni possibili (collettore sottovuoto 20 tubi)
Possible configurations (20 evacuated tubes collector)



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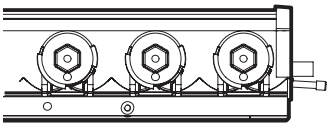
The table below shows the quantity and type of components you need to order for your chosen installation configuration.



Collettore Sottovuoto 20 TUBI
20 evacuated tubes collector

COMPONENTI *COMPONENTS*			**Numero collettori /** *Number of collectors*					
			1	**2**	**3**	**4**	**5**	**6**
Barre di supporto *Support rails*	**C**	**20026382**	1x	2x	3x	4x	5x	6x
Sistema di fissaggio *Fixing systems*	**D**	**20008292**	3x	6x	9x	12x	15x	18x
Giunti di accoppiamento *Connecting joints*	**E**	**20008757**		1x	2x	3x	4x	5x

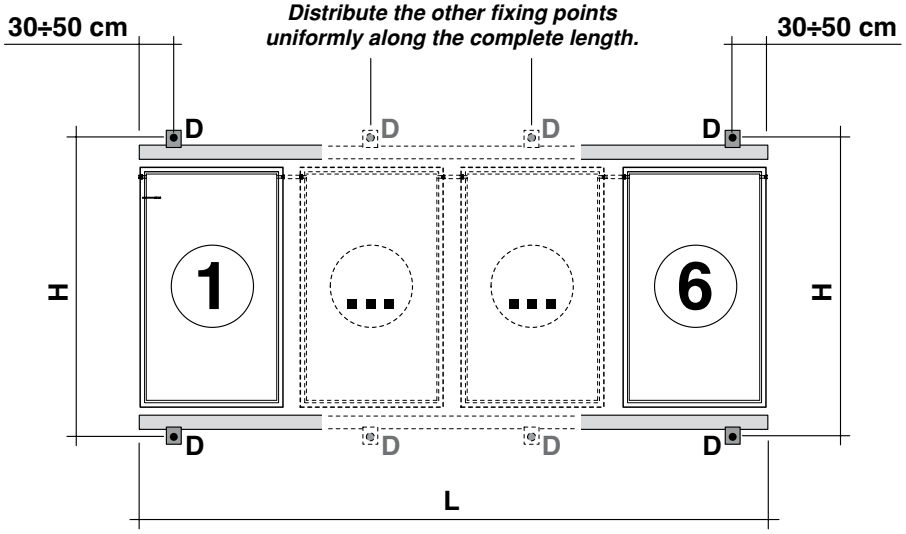
Quote per il posizionamento del sistema di fissaggio (D)
Dimensions for positioning of fixing system (D)

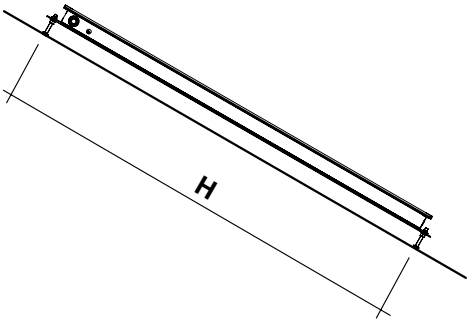
⚠ **Forare sempre sul colmo della tegola o del coppo.** ***Always drill at the apex of curved roof tiles.***

⚠ **In presenza del giunto di accoppiamento tra barre, assicurare almeno un punto di fissaggio in prossimità del giunto stesso.** ***If a connecting joint is required between support rails, locate at least one fixing point near it.***

Collettori VERTICALI / *VERTICALLY MOUNTED collectors*

Distribuire uniformemente gli altri punti di fissaggio lungo tutta la lunghezza.
Distribute the other fixing points uniformly along the complete length.

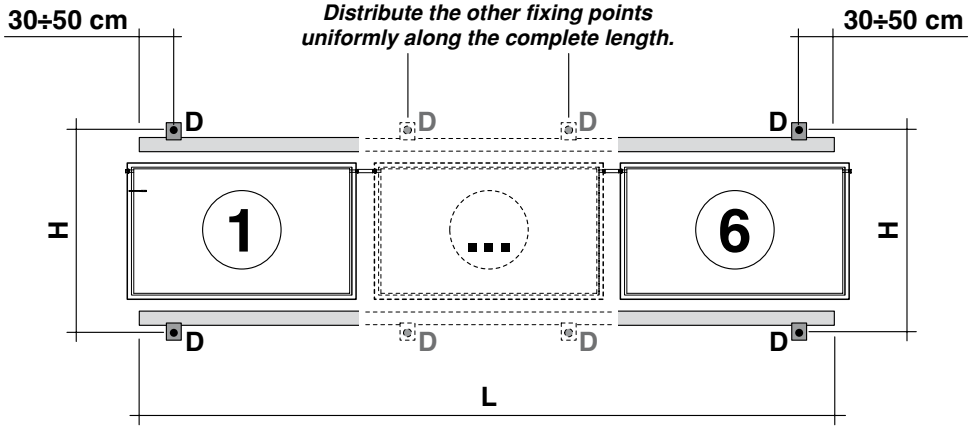


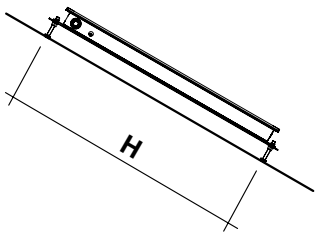


	Quota / *Dimension* H (in cm)	Numero collettori verticali *Number of vertically mounted collectors*				
		2	3	4	5	6
		Lunghezza / *Length* L (in cm)				
Collettore 2,5 mq VERTICALE con TELAIO *2.5 m^2 collector, VERTICALLY MOUNTED with FRAME*	208	253	380	507	633	760
Collettore 2 mq VERTICALE con TELAIO *2 m^2 collector, VERTICALLY MOUNTED with FRAME*	189	225	338	451	563	676

Collettori ORIZZONTALI / *HORIZONTALLY MOUNTED collectors*

Distribuire uniformemente gli altri punti di fissaggio lungo tutta la lunghezza.
Distribute the other fixing points uniformly along the complete length.

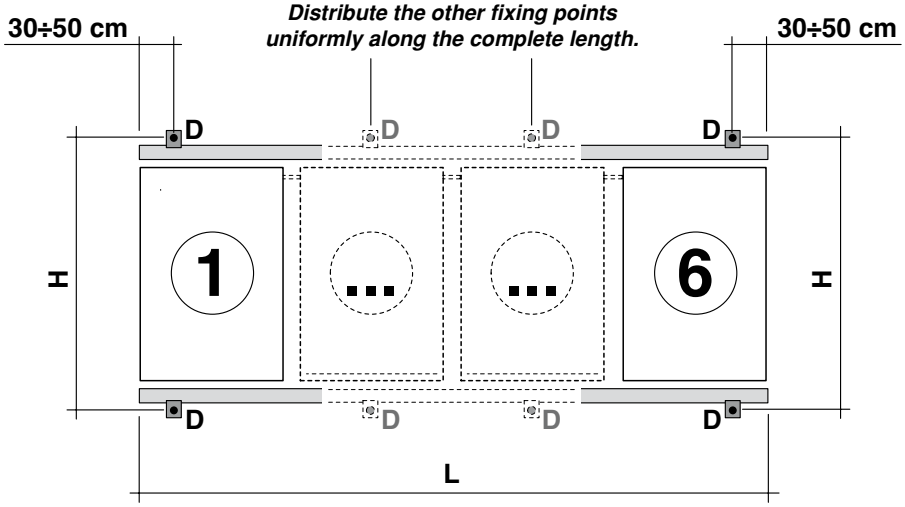


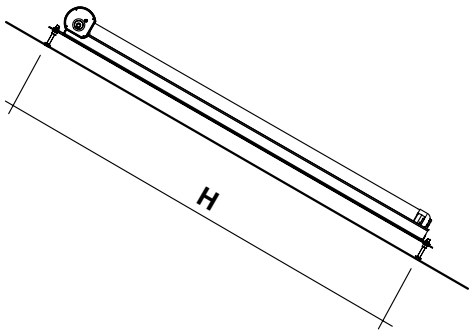


	Quota / *Dimension* H (in cm)	Numero collettori orizzontali *Number of horizontally mounted collectors*				
		2	3	4	5	6
		Lunghezza / *Length* L (in cm)				
Collettore 2,5 mq ORIZZONTALE con VASCA *2.5 m^2 collector, HORIZONTALLY MOUNTED with TANK*	122	420	636	846	1062	1272

Collettori SOTTOVUOTO / *EVACUATED TUBES collector*

Distribuire uniformemente gli altri punti di fissaggio lungo tutta la lunghezza.
Distribute the other fixing points uniformly along the complete length.

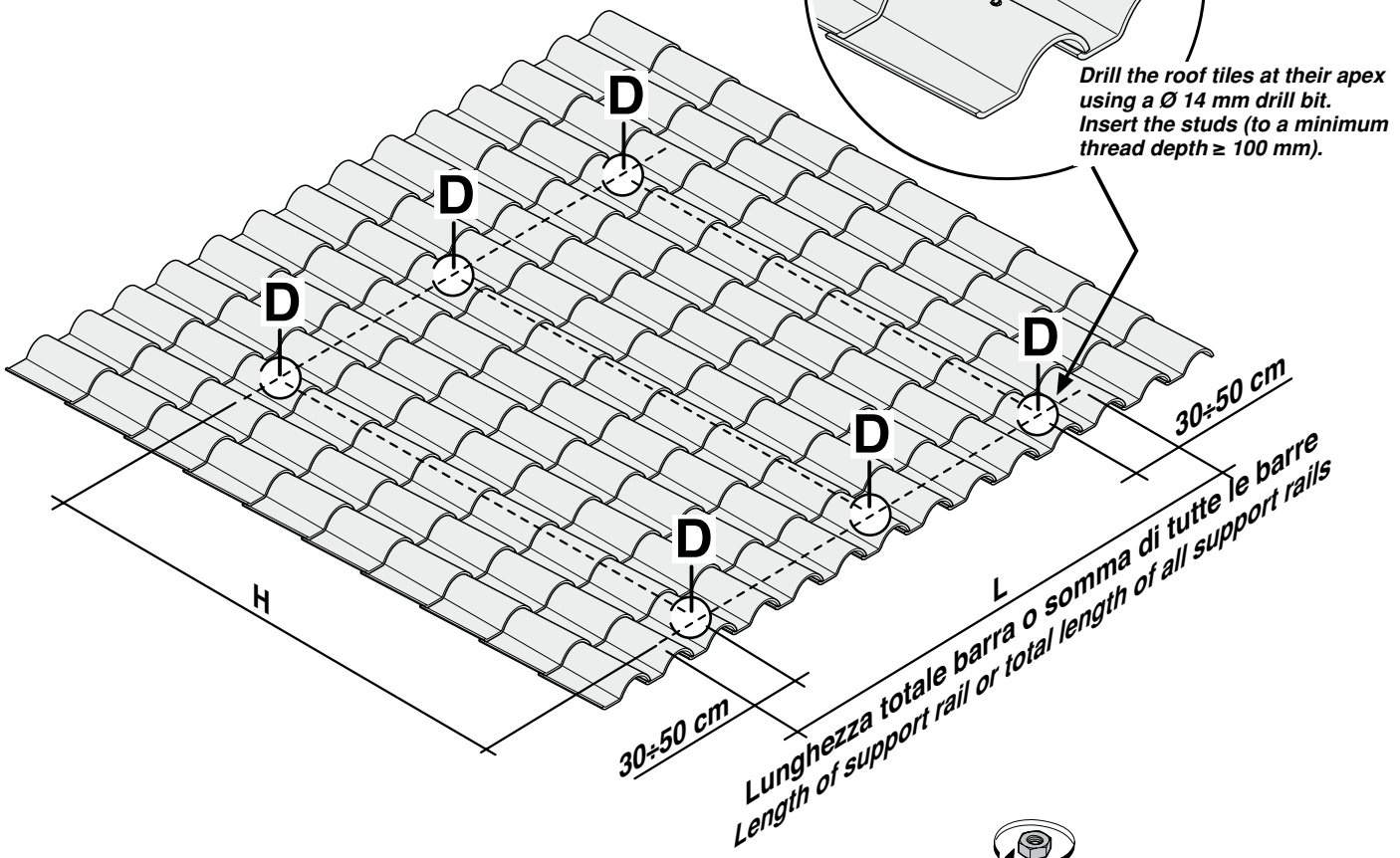




Lunghezza / *Length* L (in cm)					
Modello *Model*	**Numero collettori** *Number of collectors*				
	2	**3**	**4**	**5**	**6**
14 tubi *14 tubes*	320	480	640	800	960
20 tubi *20 tubes*	452	678	904	1130	1356

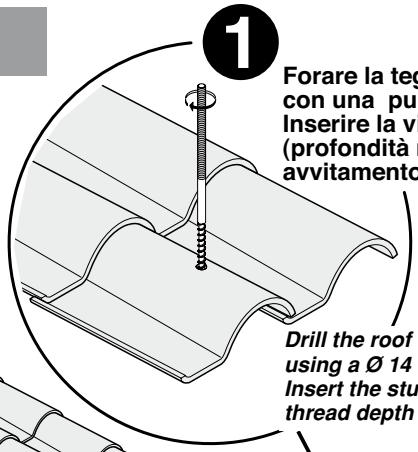
Quota / *Dimension* H (in cm)	
Collettore SOTTOVUOTO 14/20 TUBI *14/20 EVACUATED TUBES collector*	177

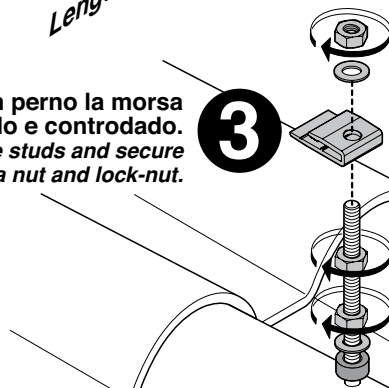
Sistema per il fissaggio al tetto (D)
Roof fixing system (D)



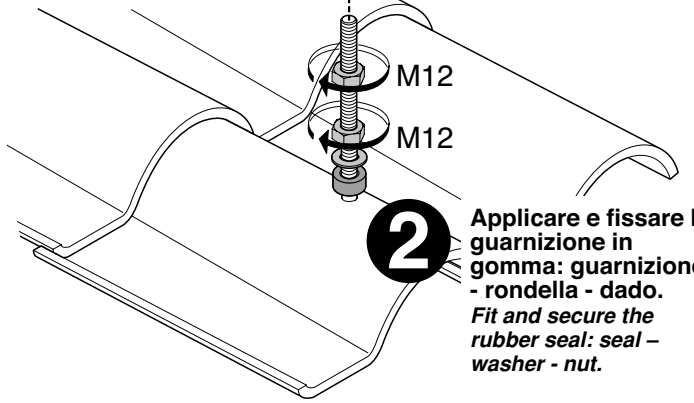
1 **Forare la tegola sul colmo con una punta da Ø 14 mm. Inserire la vite prigioniera (profondità minima di avvitamento ≥ 100 mm).**

Drill the roof tiles at their apex using a Ø 14 mm drill bit. Insert the studs (to a minimum thread depth ≥ 100 mm).

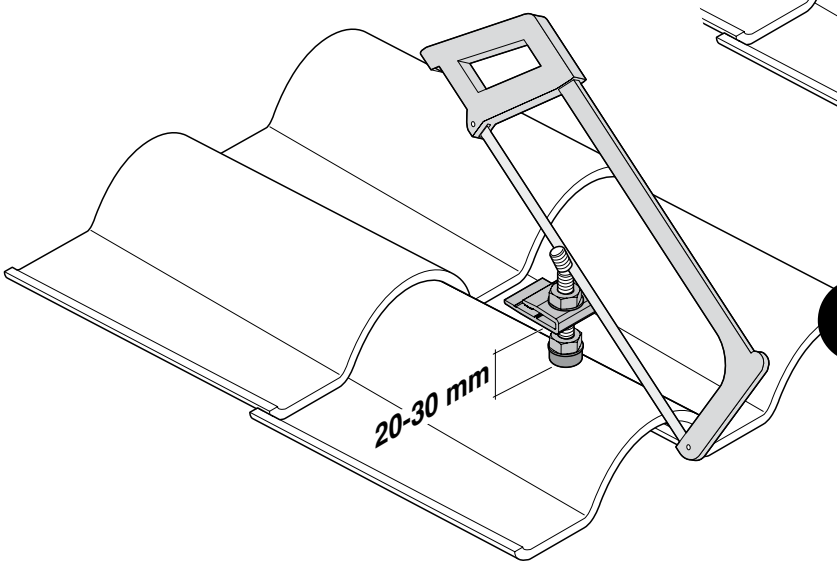




3 **Fissare a ciascun perno la morsa bloccandola con dado e controdado.**
Fix a clamp to each of the studs and secure it with a nut and lock-nut.

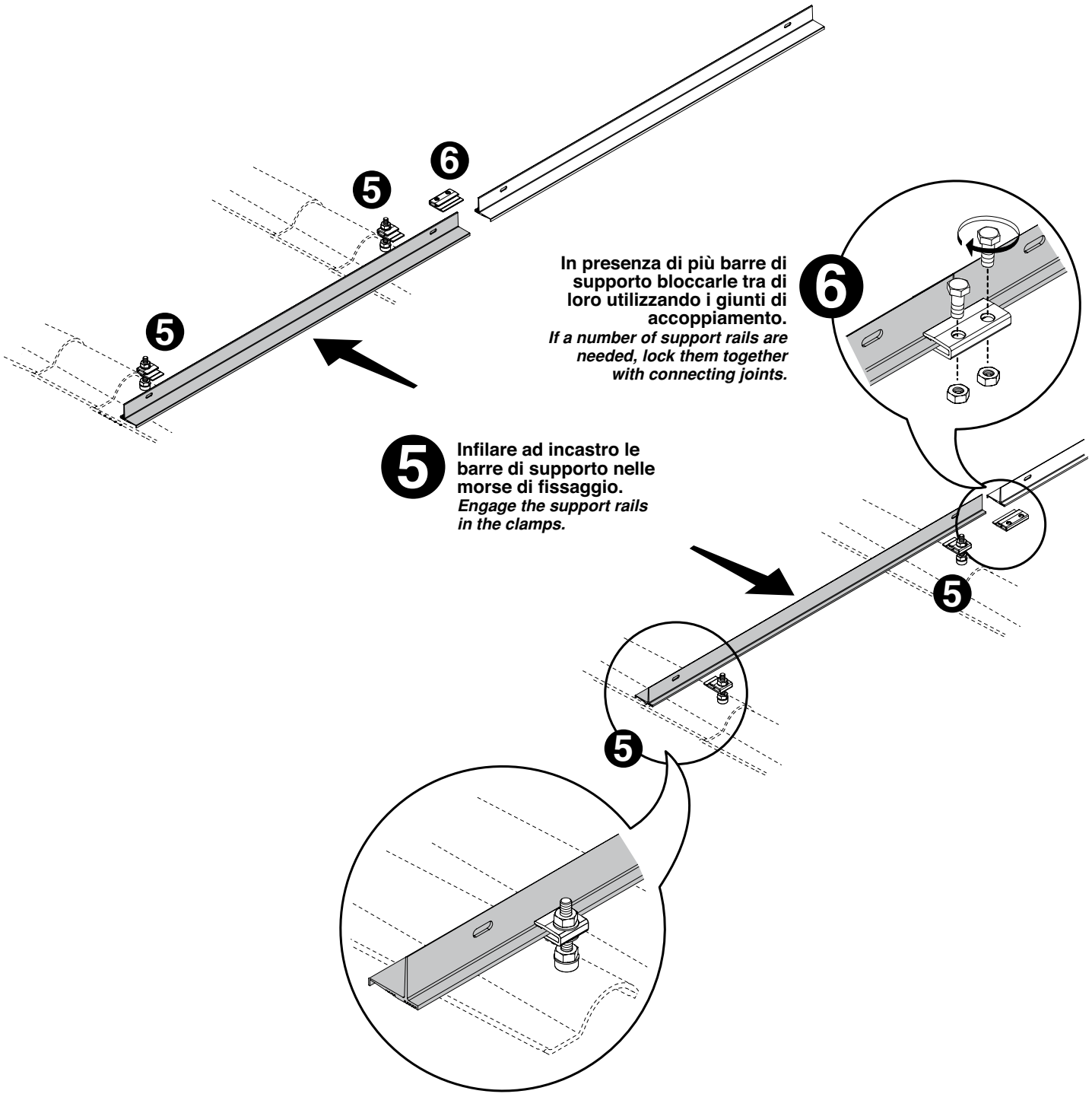


2 **Applicare e fissare la guarnizione in gomma: guarnizione - rondella - dado.**
Fit and secure the rubber seal: seal – washer - nut.

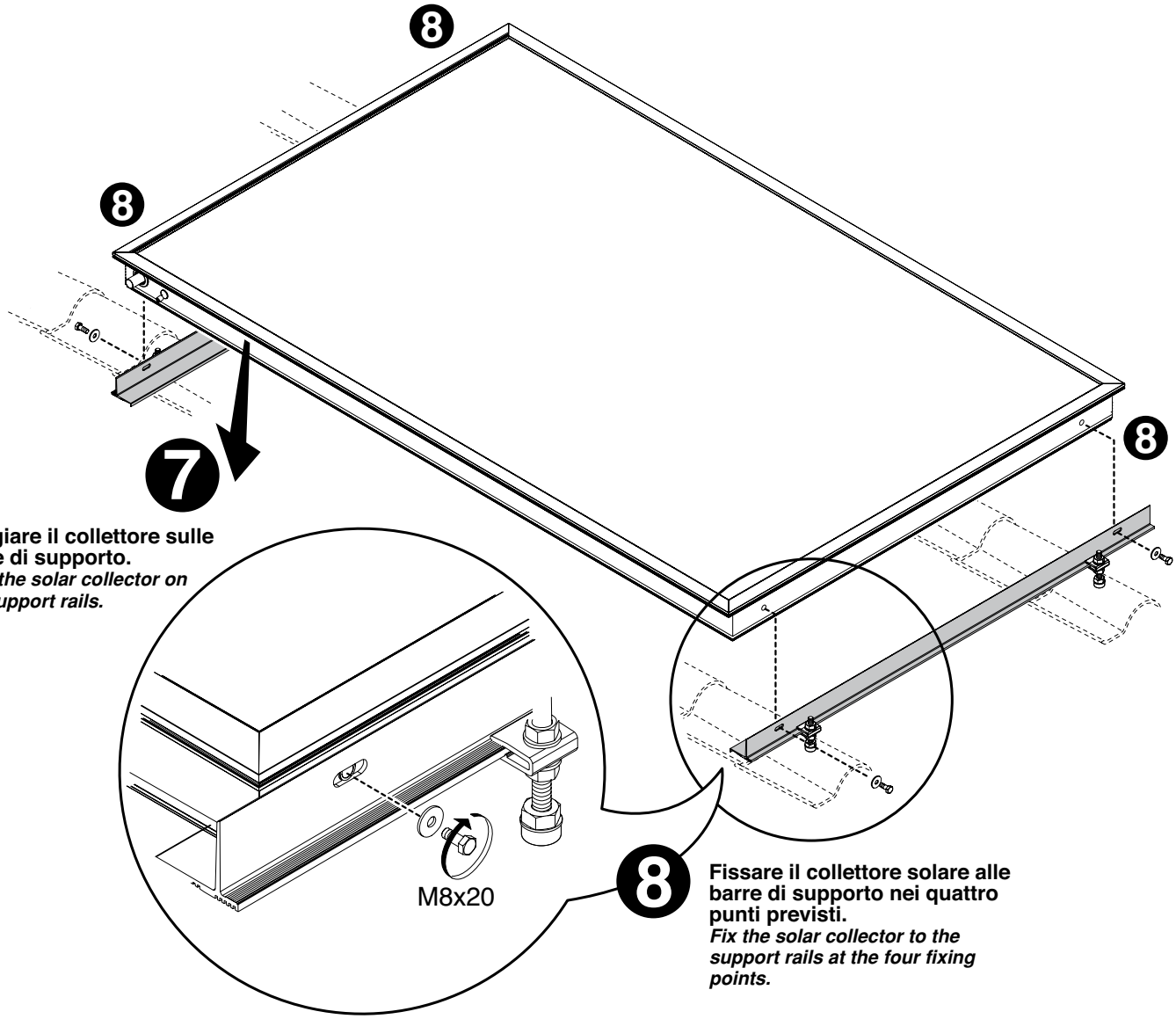


4 **Regolare le morse alla medesima altezza e fissarle (circa 20-30 mm dal colmo), quindi tagliare la parte sporgente della vite prigioniera.**
Adjust and fix the clamps at the same height (about 20-30 mm from top of the roof tiles), then saw off the protruding lengths of stud.

Barre di supporto (A-B-C) e Giunti di accoppiamento (E), se presenti (Forniti separatamente)
Support rails (A-B-C) and connecting joints (E), if present (Supplied separately)



Collettori CON VASCA-TELAIO / *Collectors WITH TANK-FRAME*



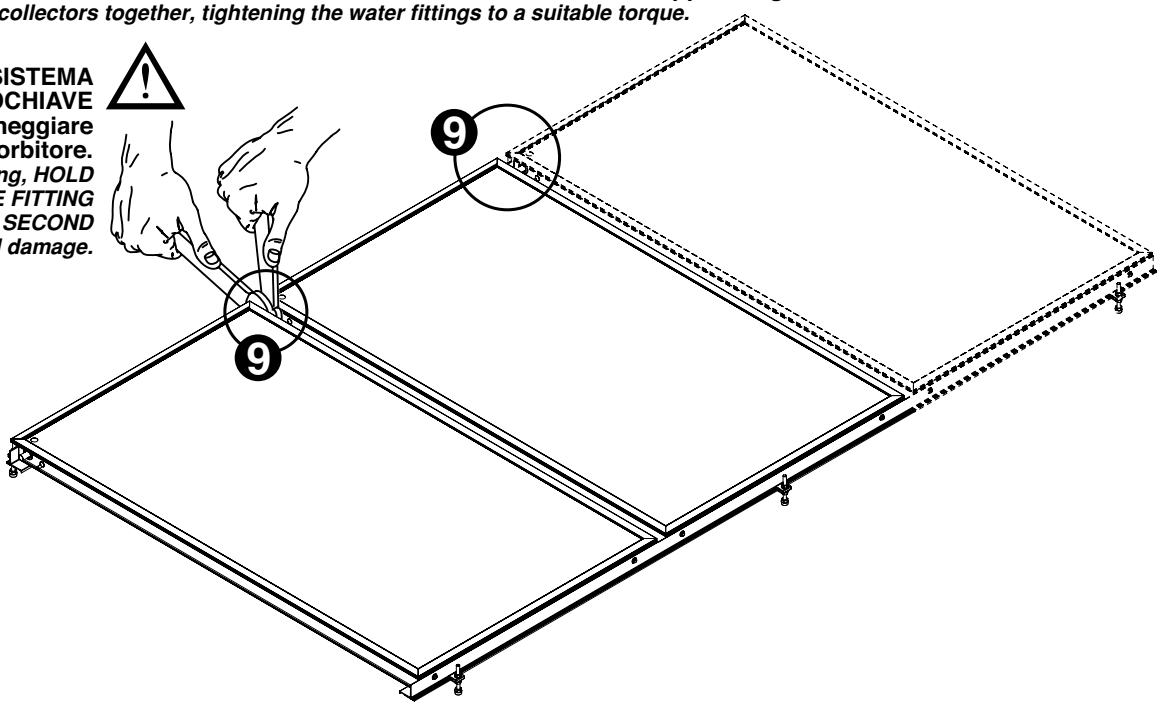
Adagiare il collettore sulle barre di supporto.
Rest the solar collector on the support rails.

Fissare il collettore solare alle barre di supporto nei quattro punti previsti.
Fix the solar collector to the support rails at the four fixing points.

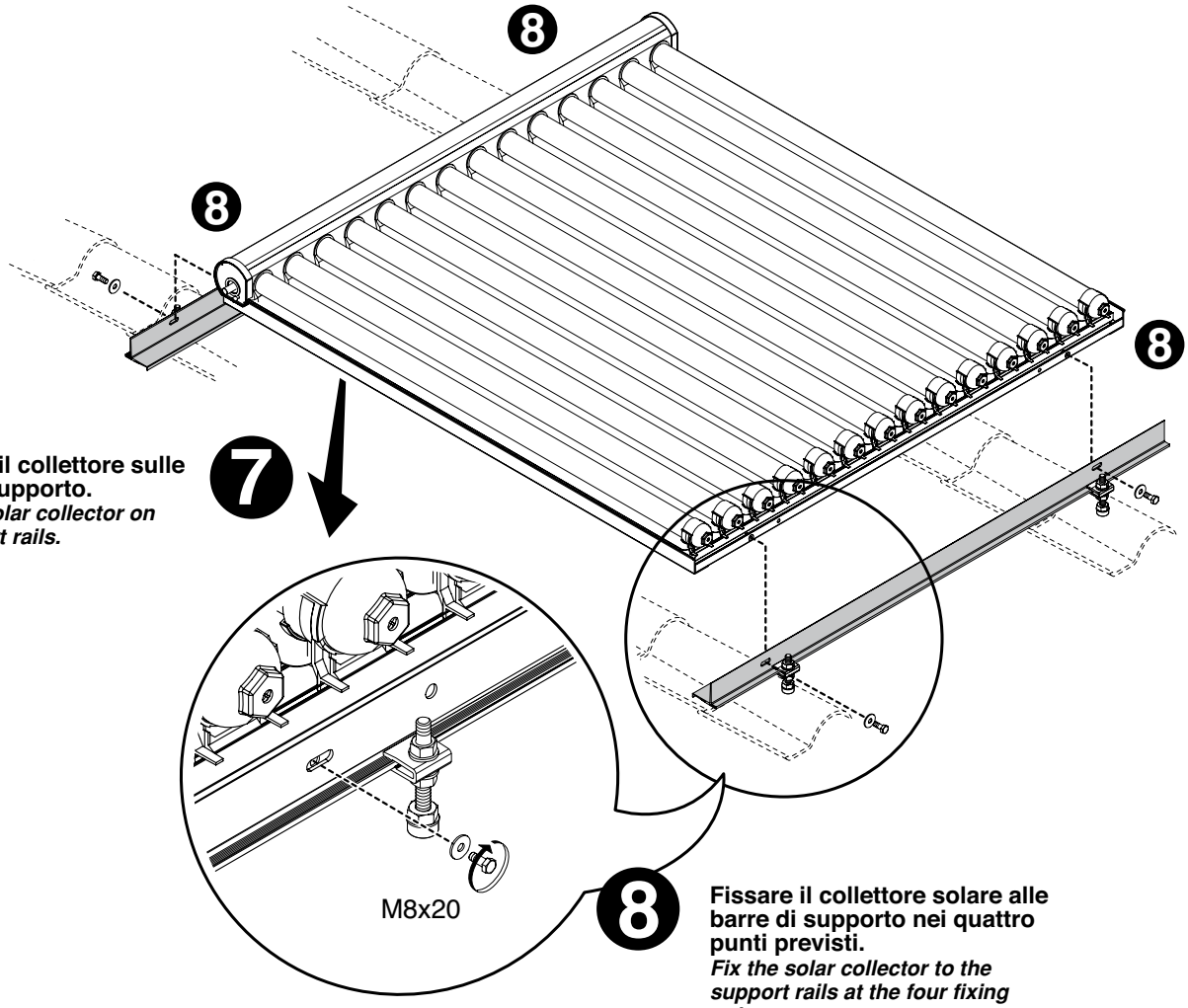
Nel caso di più collettori ripetere quanto descritto ai punti 7 e 8 per ciacun collettore.
In multi-collector installations, repeat steps 7 and 8 for each collector.

9 **Collegare tra di loro i collettori serrando i raccordi idraulici con una coppia adeguata.**
Connect the collectors together, tightening the water fittings to a suitable torque.

UTILIZZARE IL SISTEMA CHIAVE-CONTROCHIAVE per non danneggiare l'assorbitore.
When tightening a fitting, HOLD THE OPPOSITE FITTING STEADY WITH A SECOND TOOL to avoid damage.



Collettori SOTTOVUOTO / *EVACUATED TUBES collector*



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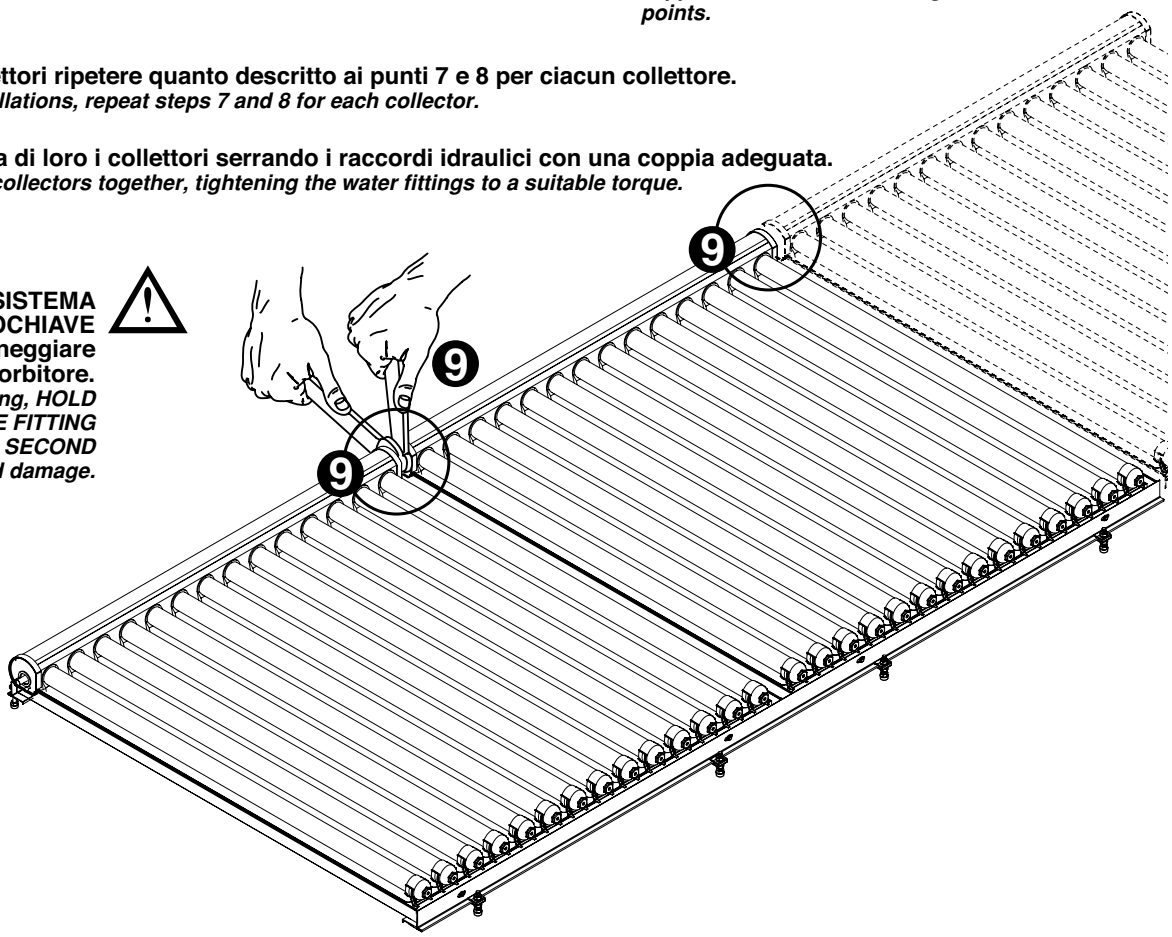
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